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1. Document ID: US 20080068016 A1

L13: Entry 1 of 19

File: PGPB

Mar 20, 2008

PGPUB-DOCUMENT-NUMBER: 20080068016

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080068016 A1

TITLE: SYSTEM AND METHOD OF ACCELERATED MR PROPELLER IMAGING

PUBLICATION-DATE: March 20, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gaddipati; Ajeetkumar	Waukesha	WI	US
Chang; Shaorong	Waukesha	WI	US
Bayram; Ersin	Delafield	WI	US
Hartley; Michael R.	Novi	MI	US

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw. Desc	Image				

2. Document ID: US 20080024132 A1

L13: Entry 2 of 19

File: PGPB

Jan 31, 2008

PGPUB-DOCUMENT-NUMBER: 20080024132

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080024132 A1

TITLE: METHOD AND APPRARATUS OF MULTI-COIL MR IMAGING WITH HYBRID SPACE CALIBRATION

PUBLICATION-DATE: January 31, 2008

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Brau; Anja C.S.	Menlo Park	CA	US
Beatty; Philip James	Menlo Park	CA	US
Skare; Stefan	Palo Alto	CA	US
Bammer; Roland	Palo Alto	CA	US

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw. Desc	Image				

 3. Document ID: US 20070182410 A1

L13: Entry 3 of 19

File: PGPB

Aug 9, 2007

PGPUB-DOCUMENT-NUMBER: 20070182410

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070182410 A1

TITLE: Coil sensitivity estimation for parallel imaging

PUBLICATION-DATE: August 9, 2007

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Niemi; Anne Kristiina	Helsinki		FI
Tanttu; Jukka Iimari	Espoo		FI
Ylihautala; Mika Petri	Vantaa		FI

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw. Desc	Image				

 4. Document ID: US 20060161060 A1

L13: Entry 4 of 19

File: PGPB

Jul 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060161060

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060161060 A1

TITLE: Multi-echo magnetic resonance imaging method and system

PUBLICATION-DATE: July 20, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Pai; Vinay M.	New York	NY	US

US-CL-CURRENT: 600/431; 324/307, 324/309, 600/413

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw. Desc	Image				

 5. Document ID: US 20060058634 A1

L13: Entry 5 of 19

File: PGPB

Mar 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060058634

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060058634 A1

TITLE: MR image production method and MRI apparatus

PUBLICATION-DATE: March 16, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ikezaki; Yoshikazu	Tokyo		JP

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMPC	Draw. Desc	Image				

 6. Document ID: US 7282917 B1

L13: Entry 6 of 19

File: USPT

Oct 16, 2007

US-PAT-NO: 7282917

DOCUMENT-IDENTIFIER: US 7282917 B1

TITLE: Method and apparatus of multi-coil MR imaging with hybrid space calibration

DATE-ISSUED: October 16, 2007

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brau; Anja C. S.	Menlo Park	CA		US
Beatty; Philip James	Menlo Park	CA		US
Skare; Stefan	Palo Alto	CA		US
Bammer; Roland	Palo Alto	CA		US

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference	Claims	KMPC	Draw. Desc	Image		

 7. Document ID: US 7199583 B2

L13: Entry 7 of 19

File: USPT

Apr 3, 2007

US-PAT-NO: 7199583  
DOCUMENT-IDENTIFIER: US 7199583 B2

TITLE: MR image production method and MRI apparatus

DATE-ISSUED: April 3, 2007

PRIOR-PUBLICATION:

DOC-ID DATE

US 20060058634 A1 March 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ikezaki; Yoshikazu Tokyo JP

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw. Desc.	Image

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8. Document ID: US 7187791 B2

L13: Entry 8 of 19

File: USPT

Mar 6, 2007

US-PAT-NO: 7187791  
DOCUMENT-IDENTIFIER: US 7187791 B2

TITLE: Coil sensitivity map generating method, parallel imaging method, and MRI apparatus

DATE-ISSUED: March 6, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030228043 A1

December 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ikezaki; Yoshikazu	Tokyo			JP

US-CL-CURRENT: 382/128; 324/306, 324/307, 324/309, 382/131

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

 9. Document ID: US 7064547 B1

L13: Entry 9 of 19

File: USPT

Jun 20, 2006

US-PAT-NO: 7064547

DOCUMENT-IDENTIFIER: US 7064547 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus of M/r imaging with coil calibration data acquisition

DATE-ISSUED: June 20, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Kevin F.	New Berlin	WI		US
Angelos; Elisabeth	Hartland	WI		US
Polzin; Jason A.	Lake Mills	WI		US

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference					Claims	KMPC	Draw Desc Image

10. Document ID: US 6438404 B1

L13: Entry 10 of 19

File: USPT

Aug 20, 2002

US-PAT-NO: 6438404

DOCUMENT-IDENTIFIER: US 6438404 B1

TITLE: Magnetic resonance method and device for measuring a periodically varying fluid flow in an object

DATE-ISSUED: August 20, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Den Brink; Johan S.	Eindhoven			NL
Van Der Meulen; Peter	Eindhoven			NL

US-CL-CURRENT: 600/419; 324/306, 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference					Claims	KMPC	Draw Desc Image

11. Document ID: US 6389304 B1

L13: Entry 11 of 19

File: USPT

May 14, 2002

US-PAT-NO: 6389304

DOCUMENT-IDENTIFIER: US 6389304 B1

TITLE: Method of and device for imaging an object by means of magnetic resonance

DATE-ISSUED: May 14, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Van Den Brink; Johan S.	Eindhoven	NL
Folkers; Paulus J. M.	Eindhoven	NL

US-CL-CURRENT: 600/419; 324/306, 324/307, 324/309, 600/420

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	
<a href="#">Reference</a>				<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>

12. Document ID: US 6331777 B1

L13: Entry 12 of 19

File: USPT

Dec 18, 2001

US-PAT-NO: 6331777

DOCUMENT-IDENTIFIER: US 6331777 B1

TITLE: Magnetic resonance method and device

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Van Den Brink; Johan S.	Eindhoven	NL
Van Muiswinkel; Arianne M. C.	Eindhoven	NL

US-CL-CURRENT: 324/312; 324/307

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	
<a href="#">Reference</a>				<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>

13. Document ID: US 6326786 B1

L13: Entry 13 of 19

File: USPT

Dec 4, 2001

US-PAT-NO: 6326786

DOCUMENT-IDENTIFIER: US 6326786 B1

TITLE: Magnetic resonance imaging method and apparatus

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pruessmann; Klaas P.	Zurich			CH
Weiger; Markus	Dietikon			CH
Scheidegger; Markus B.	Bisikon			CH
Boesiger; Peter	Ennetbaden			CH

US-CL-CURRENT: 324/312; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw. Descr. Image

14. Document ID: US 6064206 A

L13: Entry 14 of 19

File: USPT

May 16, 2000

US-PAT-NO: 6064206

DOCUMENT-IDENTIFIER: US 6064206 A

TITLE: Method of and device for determining a temperature distribution in an object by means of magnetic resonance

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Vaals; Johannes J.	Eindhoven			NL
Smink; Jouke	Eindhoven			NL

US-CL-CURRENT: 324/312; 324/309, 324/318, 324/322, 600/412

Full	Title	Citation	Front	Review	Classification	Date	
Reference					Claims	KMC	Draw Desc Image

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15. Document ID: US 5910728 A

L13: Entry 15 of 19

File: USPT

Jun 8, 1999

US-PAT-NO: 5910728

DOCUMENT-IDENTIFIER: US 5910728 A

TITLE: Simultaneous acquisition of spatial harmonics (SMASH): ultra-fast imaging with radiofrequency coil arrays

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Sodickson; Daniel Kevin Cambridge MA

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference					Claims	KMC	Draw Desc Image

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16. Document ID: US 4609872 A

L13: Entry 16 of 19

File: USPT

Sep 2, 1986

US-PAT-NO: 4609872

DOCUMENT-IDENTIFIER: US 4609872 A

TITLE: NMR multiple-echo phase-contrast blood flow imaging

DATE-ISSUED: September 2, 1986

INVENTOR-INFORMATION:

O'Donnell; Matthew Schenectady NY

US-CL-CURRENT: 324/306; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

□ 17. Document ID: WO 2005071429 A1

L13: Entry 17 of 19

File: EPAB

Aug 4, 2005

PUB-NO: WO2005071429A1

DOCUMENT-IDENTIFIER: WO 2005071429 A1

TITLE: COIL SENSITIVITY ESTIMATION FOR PARALLEL IMAGING

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

18. Document ID: US 20070075707 A1, JP 2007090001 A, CN 1939213 A

L13: Entry 18 of 19

File: DWPI

Apr 5, 2007

DERWENT-ACC-NO: 2007-555956

DERWENT-WEEK: 200758

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TITLE: Magnetic resonance scanning method for use in magnetic resonance imaging apparatus, involves using sequence with flow compensation pulse added in calibration scan of parallel imaging

Full	Title	Citation	Front	Review	Classification	Date		
Reference	1000000000			Claims	KIMC	Draw. Desc	Clip Img	Image

19. Document ID: WO 2005071429 A1, EP 1709459 A1, CN 1910470 A, JP 2007517573 W, US 20070182410 A1

L13: Entry 19 of 19

File: DWPI

Aug 4, 2005

DERWENT-ACC-NO: 2005-555510

DERWENT-WEEK: 200754

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TITLE: Coil sensitivity estimation in magnetic resonance imaging apparatus, involves using spin or gradient echo sequence matching in-plane phase encode direction of calibration and parallel imaging sequence for calibration of parallel image

Full	Title	Citation	Front	Review	Classification	Date		
Reference				Claims	KMC	Draw. Desc	Clip Img	Image

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
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Term	Documents
PARALLEL	3809991
PARALLELS	20960
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PIS	49043
SCAN	494000
SCANS	170970
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SEQUENCES	470291
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